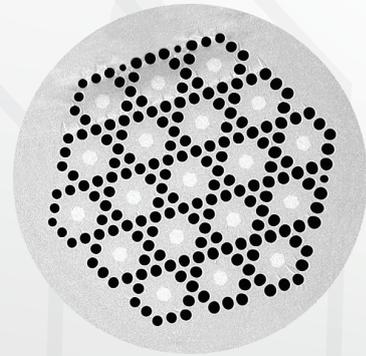
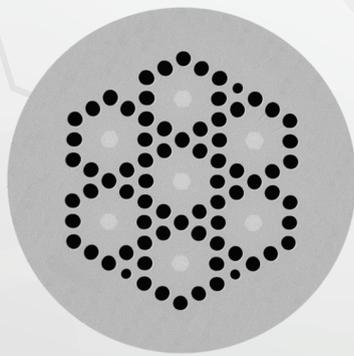


IPT-CORE

TO MULTIPLY YOUR LINK CAPACITY



Next-gen backward-compatible **multicore fiber** with unprecedented bandwidth within the standard physical envelope

FEATURES

- Increased link capacity provided by several individual cores enabling **Spatial Division Multiplexing** within the standard fiber outer diameter
- Compatible with existing interfaces due to **ITU-T G.652 & G.657.B3 (bend-loss) compliance**
- Unique internal design to avoid **crosstalk** and provide **bend-immunity**
- High space-efficiency, featuring **more physical channels per cm²**
- Lower energy consumption** and lower operational costs
- Complete solution** available with ready fan-in/fan-out connectors to network installations
- Available in **specialty metalized coatings** for resilience to hazardous environments
- Special core composition available to enable active and/or radiation hardened multicore fibers



SPECS

- Fiber type: Single-mode
- Network standards: ITU-T G.652
- Cross-talk: -40 dB for 1550 nm
- Bend loss: <math><0.1\text{ dB}</math> (better than ITU-T G.657.B3)



APPLICATIONS

- 5G network infrastructure – increased bandwidth within a single fiber
- Modernization of the existing dense network infrastructure – more network capacity within the already limited space
- Data Centers – improved airflow & thermal management thanks to the cabling reduction
- Industry 4.0 information networks – higher bandwidth in a single fiber, ready for harsh environment applications
- Aviation – reduction of cabling with multiple cores within one fiber
- Space – payload and space reduction with space-hardened multicore fibers; active fiber amplifiers